# Downloading with Reflections in MIRS

These instructions are for downloading reports from MIRS to your computer, also known as FTP (File Transfer Protocol). Although these instructions are intended for use with the Reflections emulator, they may still be used as a general guidance for downloading with other emulators. Furthermore, if you have the Extra!, QWS3270, Passport, or Rumba emulator, please email the MIRS Helpdesk at ppsdmirs@sco.ca.gov for instructions.

1. Login to MIRS.

2. In the Session ribbon, click File Transfer. The Transfer dialog box will appear.
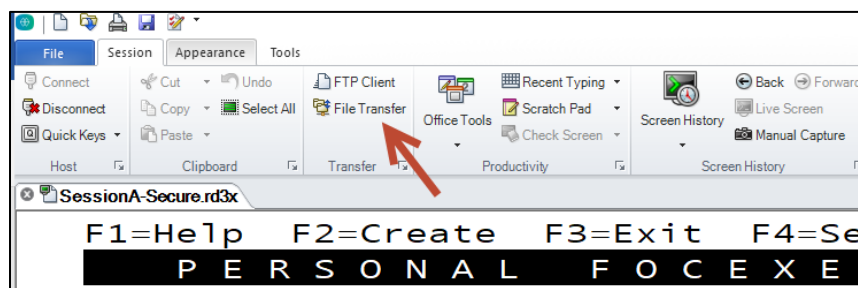
3. Under Host, type in the File Name with a single quote at the beginning of the name and at the end.

    a. The File Name template is '*your user ID here*.DOWNLOAD.DATA'

        i. Example: 'ZXABM.DOWNLOAD.DATA'
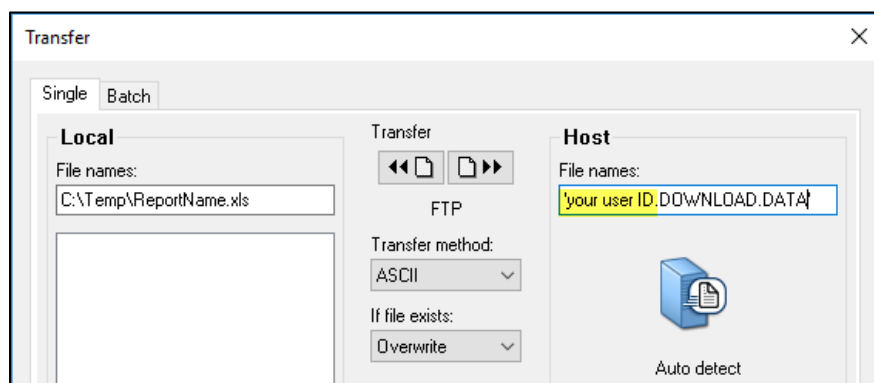
4. Under Local, type in the File name, which includes the location on your computer where the report will be saved, the name of the file, and the file format.

    a. For example, this File Name is located on the C drive, in the Temp folder, with the file name ReportName, and the format for Excel: C:\TEMP\REPORTNAME.XLS
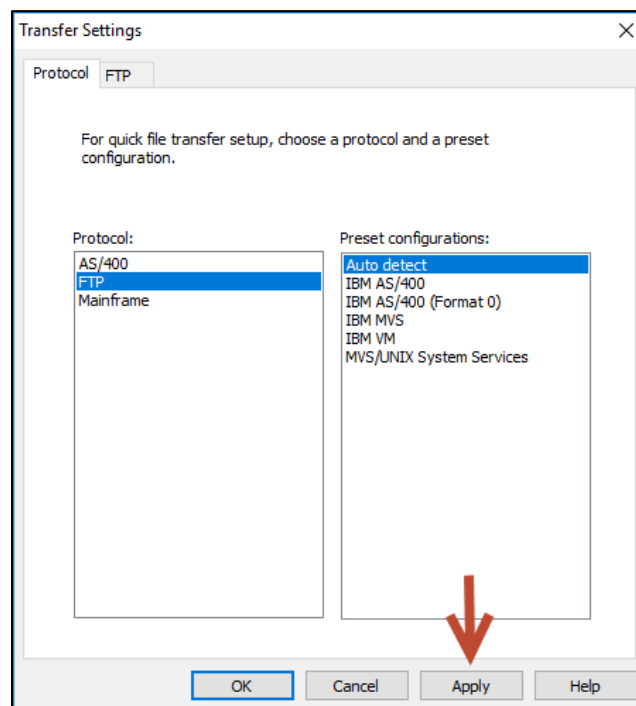
b. Be sure that the folder you are saving to exists in your File Explorer 📁.

5. In the Transfer Method drop down menu, select ASCII and in the If File Exists drop down menu, select Overwrite.
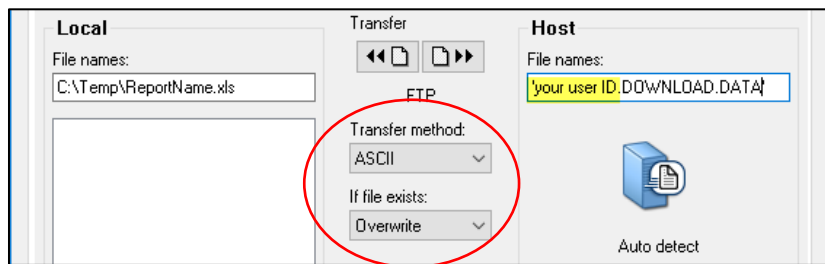
6. Click on Settings and the Transfer Settings dialog box will appear.
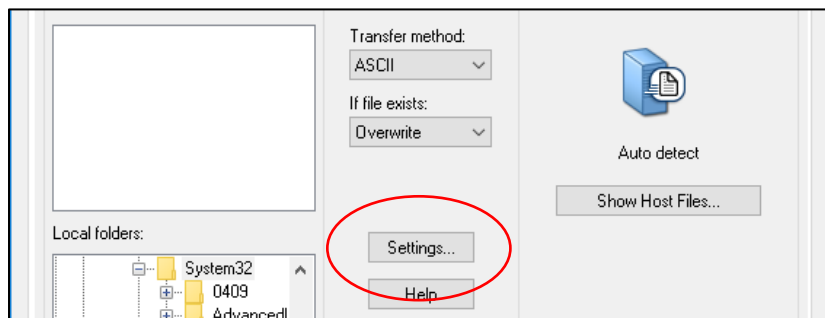
7. In the Protocol list, click FTP. In the Preset Configurations list, click Auto Detect. Then click Apply.

8. Click on the FTP tab.

    a. For the Host name or IP address, type mvssy3.teale.ca.gov.

    b. Uncheck the Anonymous box and check the Save password box.

    c. For User name, type in your user name.

    d. For Password, type in your password.

    e. Click Advanced. The FTP Properties dialog box will appear.

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9. Click on the General tab.

   a. For the FTP Address, type mvssy3.teale.ca.gov.

   b. For the Server type drop down menu, select Auto detect.

   c. Select the User radio button.

   d. For User name, type in your user name.

   e. For Password, type in your password.

   f. Click Apply.
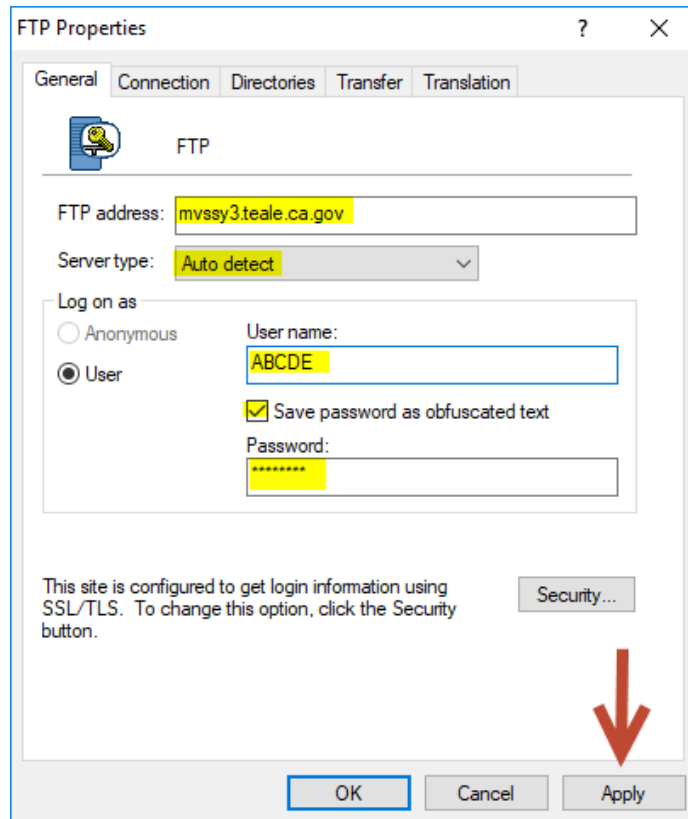
10. Click on the Connection tab. Set to default settings:

    a. Check the Use passive mode box.

    b. Uncheck the Send keep alive every box.

    c. Set the seconds to 300.

    d. For the Keep alive command, type in NOOP.

    e. Set TCP port to 21.

    f. For Account, leave blank.

    g. Set Connect to 120.

    h. Set Session to 120.

    i. In the Use IPV6 drop down menu, select When Available.

    j. Uncheck Initial unmask and leave blank.
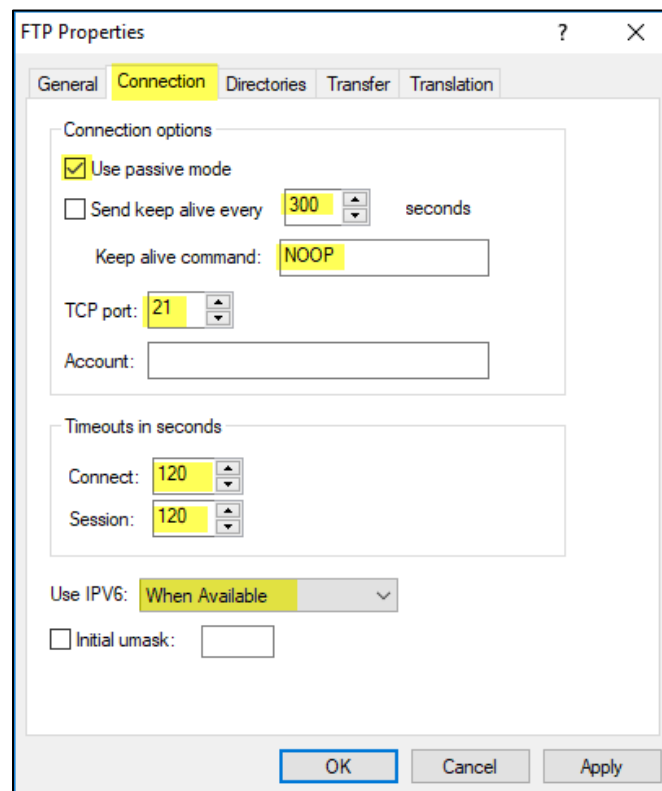
11. Click on the Directories tab. Set to default settings:

    a. Leave Home directory blank.

    b. Only check the following boxes:

        i. Show diretory upon connection.

        ii. Refresh directory automatically.

        iii. Try to convert dates to local system format.

        iv. Resolve links.

        v. Cache directory listing.

    c. Leave File view filter and LIST command parameter(s) blank.

   d. For Home folder, type C:\Temp or click the browse button to select your home folder.
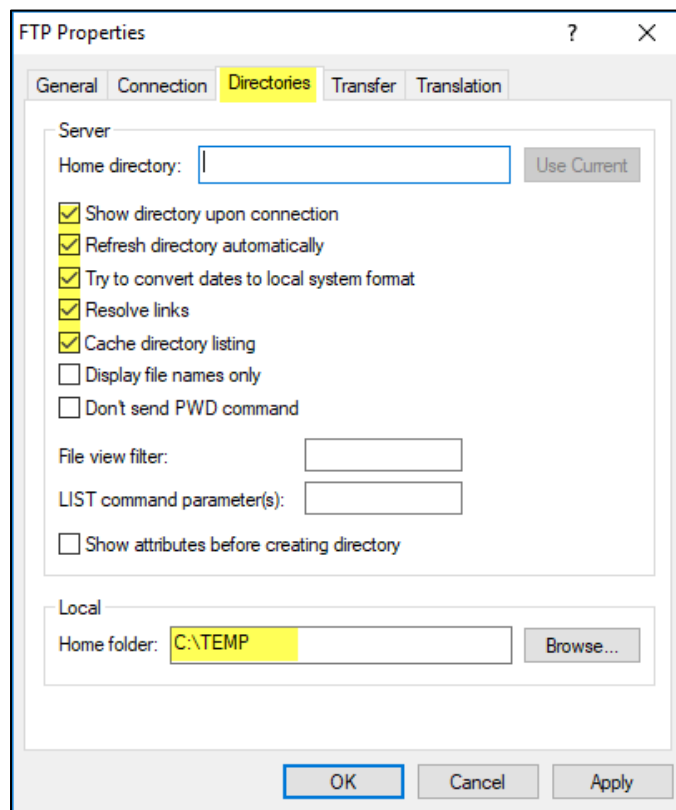
12. Click on the Transfer tab.

    a.   Only check the Compute Space on MVS box.

    b.   From the Set case of long file names drop down menu, select Preserve.

    c.   From the Set case of 8.3 file names drop down menu, select Lower.
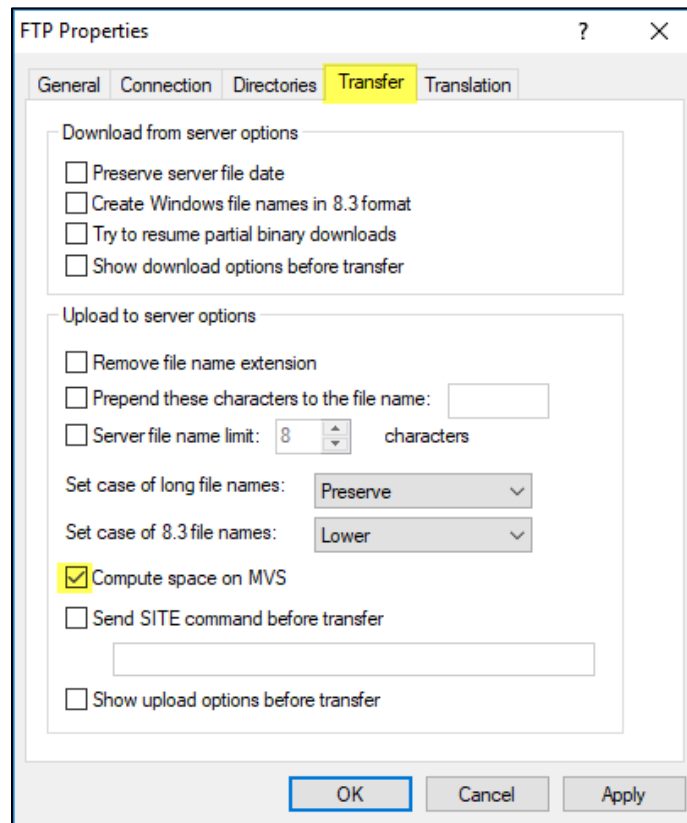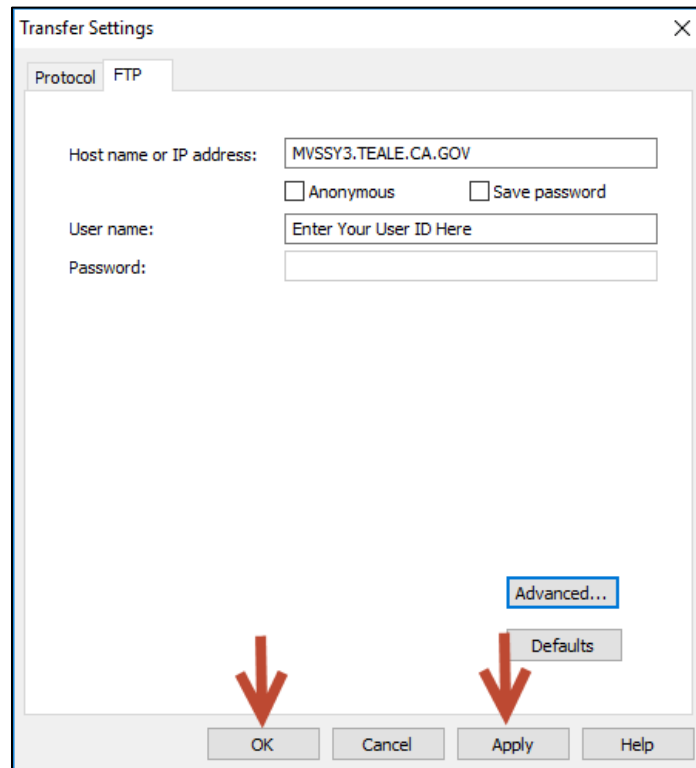
13. Click on the Translation tab.

    a.   Only check the Change tabs to spaces box.

    b.   Set the Spaces per tab to 8.

    c.   Select the YY MM DD radio button.

    d.   Click OK. You will be brought back to the Transfer Settings dialog box.
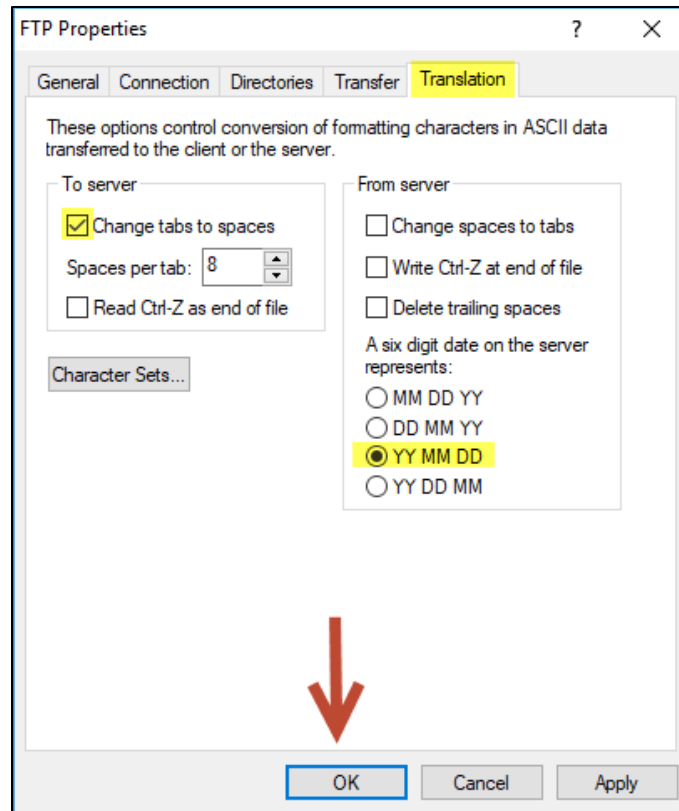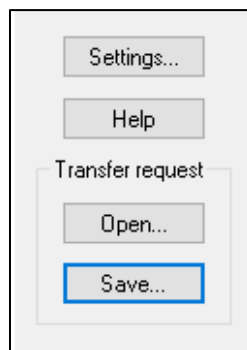
14. Click Apply, then click OK.

Side Note: You have the option to save the settings you have now configured. This will allow you to simply open the saved file and all your settings will auto-populate.

    a. To save your settings, from the Transfer dialog box, under Transfer Request, click Save.

    b. Locate the folder where you want to save the settings file and click Save.

    c. Then, if your settings are ever changed, you can click Open from the Tranfer dialog box, locate and open the saved setttings file. When opened, it will auto-populate your settings.

15. Click the X in the top right corner of the Transfer dialog box to exit.

16. Open your procedure in MIRS to edit by typing an E to the left of the procedure name and press Enter.

17. Enter the syntax –INCLUDE DOWNLOTS before the word END in your procedure.

```
BY  SSN
BY  FULL_NAME
-INCLUDE  DOWNLOTS
END
```

18. Execute the procedure. You may execute the procedure with the letter X command or in FOCUS. Both methods of running the procedure will send the report to the FTP (File Transfer Protocol).

19. You will not see the procedure after you execute it. Rather, the syntax HOLDING LOTUS FILE will appear to notify you that the report is available to download (FTP).

```
BY SSN
BY FULL_NAME
ON TABLE HOLD AS DOWNLOAD FORMAT LOTUS
END
NUMBER OF RECORDS IN TABLE=      366  LINES=     366
ACCESS LIMITED BY PASSWORD

HOLDING LOTUS FILE...
```

20. Press Enter until you are back at your library.

21. Press F6 for the option menu.

22. Type the number 8 for Download Data and press Enter.

23. In the ISPF Command Shell you might not see a list of procedures. Those only appear after you have transferred files without logging out.

24. In the Session ribbon, click File Transfer. The Transfer dialog box will appear.
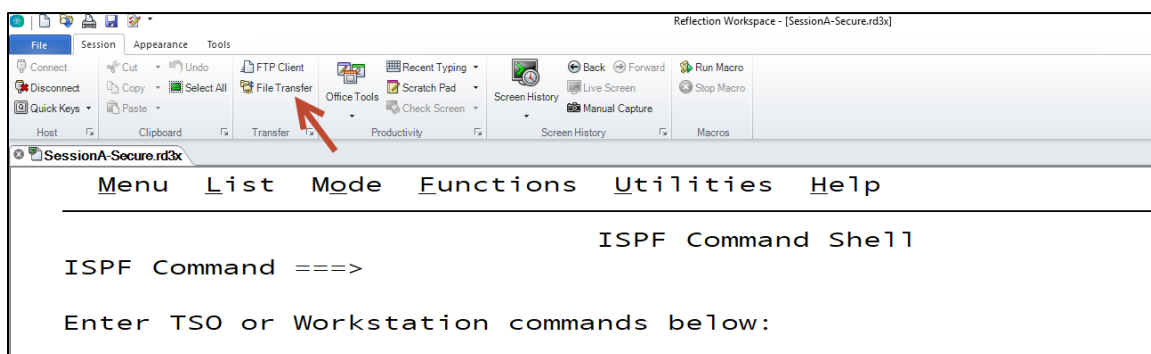
25. Under Local, the last File Name you typed in will show automatically. You may change the name if you are downloading a different report than what you previously typed in.

26. Under Transfer, click on the left arrow to begin the transfer.
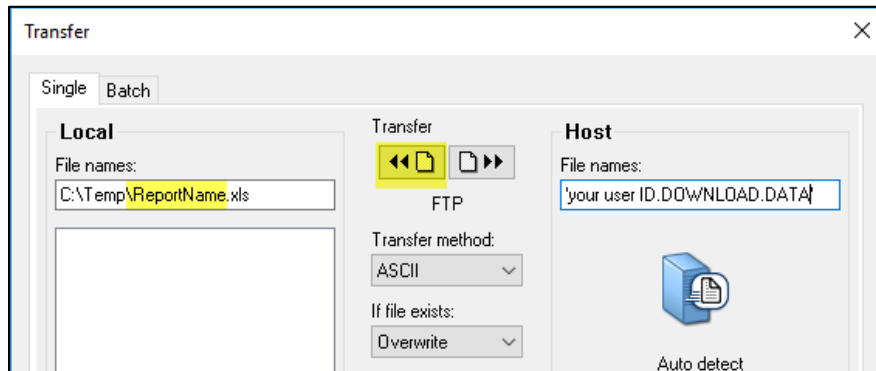
27. You may need to enter your password up to 2 times.

28. Open Excel (the file will not open correctly if opened directly from File Explorer).

29. In Excel, go to File, Open, and locate your file. Click on it and select Open.

30. You may see a pop-up window that says "The file and extension of 'ReportName.xls' don't match. The file could be corrupted or unsafe. Unless you trust this source, don't open it. Do you want to open it anyway?". If you see this message, click Yes.
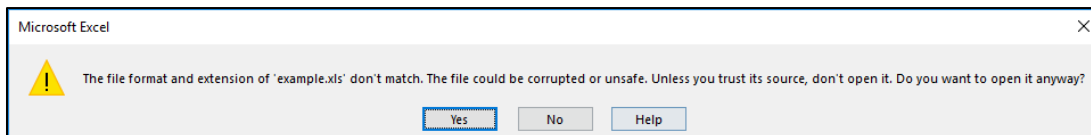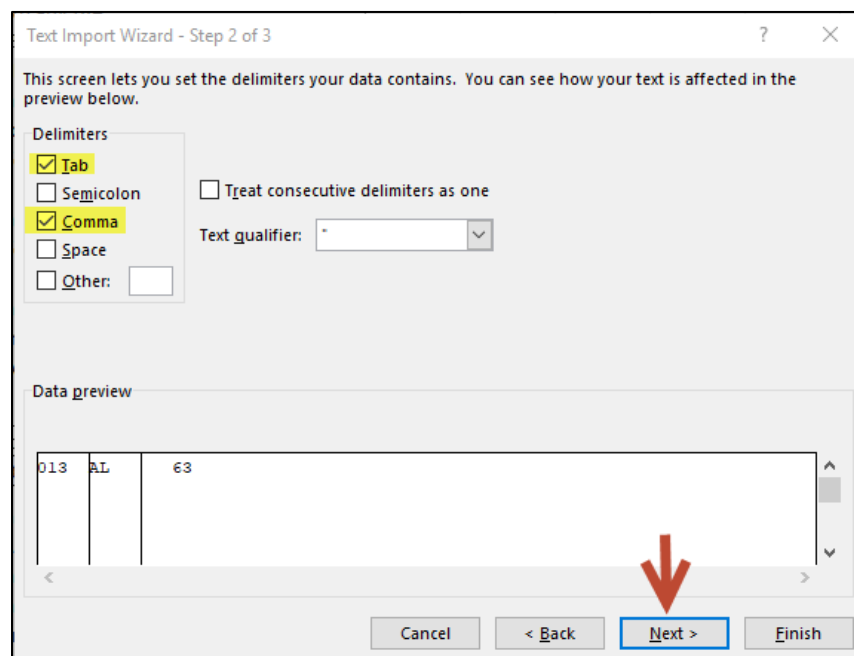
31. The Text Import Wizard dialog box will automatically open.

   a.   Select the Delimited radio button.

   b.   From the File Origin drop down menu, select 437: OEM United States.
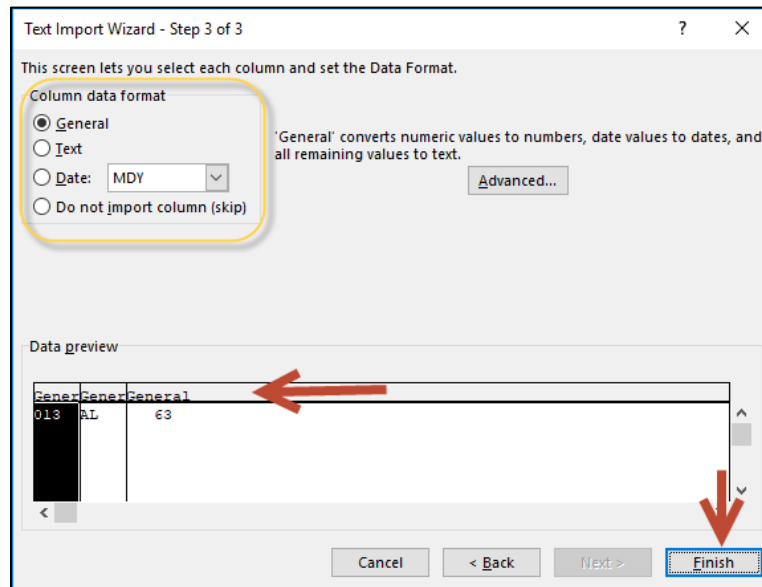
   c.   Then click Next.
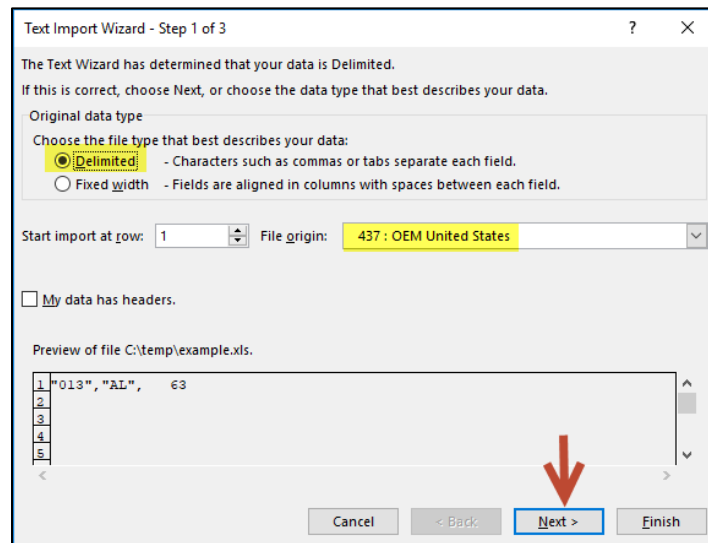
32. Check the Tab box and the Comma box. Then click Next.

33. To change each column's format, click on the column heading under Data preview.

   a.   The format options are:

      General: Packed Decimal or Integer

      Text: Alphanumberic fields

Date: Change the order of month, day, and year

34. Click Finish.

35. Save the file as an Excel spreadsheet (format: XLSX).

Troubleshooting Steps

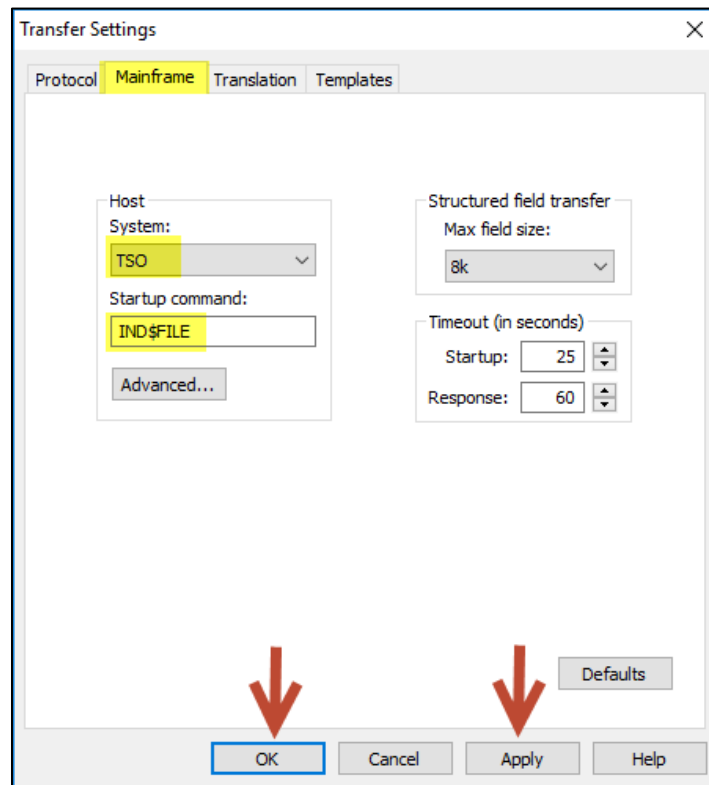Option #1: Change your entries to all capitalized letters.

Option #2: Change Protocol from FTP to Mainframe (this troubleshooting step is particularly helpful if you receive the error: 530 PASS COMMAND FAILED):

1. From the File Transfer dialog box, click Settings.

2. Under Protocol, select Mainframe.

3. Under Preset Configurations, select TSO.
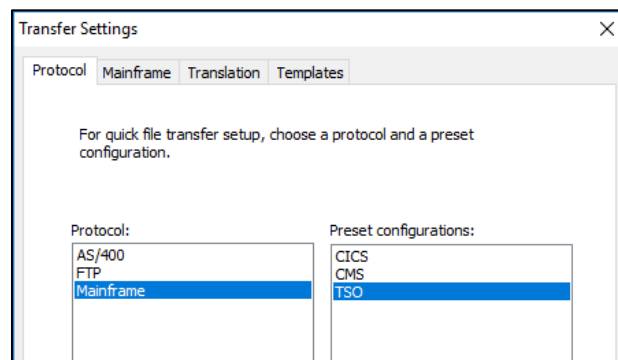
4. Click on the Mainframe tab.

   a. From the System drop down menu, select TSO.

b. For the Startup command, type in IND$FILE.

c. From the Max field size drop down menu, select 8k.

d. For Startup, select 25.

e. For Response, select 60.

f. Click Apply.

g. Click OK.

5. Try downloading again.